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What is claimed is:

- 1. A transgenically produced preparation of decorin.
- 2. The preparation of claim 1, wherein said decorin is human decorin.
 - 3. The preparation of claim 1, wherein said decorin is produced in a transgenic animal.
- 4. The preparation of claim 1, wherein said decorin is produced in a transgenic mammal.
 - 5. The preparation of claim 1, wherein said decorin is produced in a transgenic dairy animal.
 - 6. The preparation of claim 1, wherein said decorin is produced in a transgenic goat.
 - 7. The preparation of claim 1, wherein the transgenically produced decorin lacks a GAG chain.
- 8. The preparation of claim 1, wherein the transgenically produced decorin is made in a mammary gland of a transgenic mammal.
- 9. A transgenically produced preparation of decorin, wherein less than 30% of the decorin molecules in the preparation have a GAG chain.
- 10. A method of making a preparation of transgenic decorin comprising: providing a transgenic organism, which includes a transgene which directs the expression of decorin;
- allowing the transgene to be expressed; and recovering a preparation of transgenically produced decorin, from the organism or from a product produced by the organism.
 - 11. The method of claim 10, wherein said decorin is human decorin

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- 12. The method of claim 10, wherein said decorin is produced in a transgenic animal.
- 13. The method of claim 10, wherein said decorin is produced in a transgenic mammal.
 - 14. The method of claim 10, wherein said decorin is produced in a transgenic dairy animal.
 - 15. The method of claim 10, wherein said decorin is produced in a transgenic goat.
 - 16. The method of claim 12, the transgenically produced decorin lacks a GAG chain.
 - 17. The method of claim 10, wherein the transgenically produced decorin is made in a mammary gland of a transgenic mammal.
 - 18. A method for providing a transgenic preparation which includes heterologous decorin in the milk of a transgenic mammal comprising:

obtaining milk from a transgenic mammal having introduced into its germline a decorin protein-coding sequence operatively linked to a promoter sequence that result in the expression of the protein-coding sequence in mammary gland epithelial cells, thereby secreting the decorin in the milk of the mammal to provide the preparation.

- 19. A transgenic organism, which expresses a transgenic decorin and from which a transgenic preparation of decorin can be obtained.
- 20. A pharmaceutical composition comprising a therapeutically effective amount of transgenic decorin or a transgenic preparation of decorin and a pharmaceutically acceptable carrier.
- 21. A formulation, which includes a transgenically produced human decorin and at least one other nutritional component.

22. A method of providing decorin to a subject in need of decorin comprising administering transgenically produced decorin or a transgenic preparation of decorin to said subject.

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- 23. The method of claim 22, wherein the subject is suffering from cancer.
- 24. The method of claim 22, wherein the subject is suffering from invasive skin injuries.

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